



(19) **United States**

(12) **Patent Application Publication**
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(10) **Pub. No.: US 2009/0205018 A1**

(43) **Pub. Date: Aug. 13, 2009**

(54) **METHOD AND SYSTEM FOR THE SPECIFICATION AND ENFORCEMENT OF ARBITRARY ATTRIBUTE-BASED ACCESS CONTROL POLICIES**

Publication Classification

(51) **Int. Cl.**
H04L 9/00 (2006.01)
G06F 17/30 (2006.01)

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(52) **U.S. Cl.** **726/1; 707/103 R; 707/E17.055**

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(57) **ABSTRACT**

A general attribute-based access control system includes at least one resource server, at least one client module, an access control database including basic data sets and basic relations between the basic data sets, at least one server module including an access decision sub-module that computes a decision whether to grant or deny access to computer-accessible resources referenced by objects, an event processing sub-module that processes events, and an administrative sub-module that creates, deletes, and modifies elements of the basic data sets and the basic relations.

(21) **Appl. No.: 12/366,855**

(22) **Filed: Feb. 6, 2009**

Related U.S. Application Data

(60) **Provisional application No. 61/026,743, filed on Feb. 7, 2008.**

